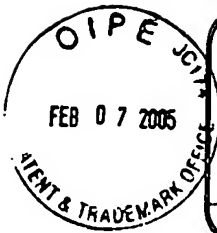


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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known

Application Number **10/692,457**
 Filing Date **October 23, 2003**
 First Named Inventor **James E. Moon et al.**
 Art Unit **1763**
 Examiner Name **Olsen, Allan W.**
 Attorney Docket Number **1153-010Div5Con**

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
JEO		US- 4911783	03/27/1990	Voboril	
		US- 5006202	04/09/1991	Hawkins et al.	
		US- 5770465	06/23/1998	MacDonald et al.	
		US- 6020272	02/01/2000	Fleming	
		US- 6136243	10/24/2001	Mehregany et al.	
		US- 6174820	01/16/2001	Habermehl et al.	
		US- 5043043	08/27/1991	Howe et al.	
		US- 5804084	09/08/1998	Nasby et al.	
		US- 6071819	06/06/2000	Tai et al.	
		US- 4764244	08/16/1998	Chitty et al.	
		US- 5131978	07/21/1992	O'Neill	
		US- 5628917	05/13/1997	MacDonald et al.	
		US- 5658471	08/19/1997	Murthy et al.	
		US- 5683591	11/04/1997	Offenberg	
		US- 5690841	11/25/1997	Elderstig	
JEO		US- 5717251	02/10/1998	Hayashi et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
JEO		DE 44 42 023	05/30/1996	Bosch GMBH Robert		

Examiner Signature	<i>Allan Olsen</i>	Date Considered	3-10-05
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/692,457
		Filing Date	October 23, 2003
		First Named Inventor	James E. Moon et al.
		Group Art Unit	1763
		Examiner Name	Olsen, Allan W.
		Attorney Docket Number	1153-010Div5Con
Sheet	1	of	2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AWO		Desai, Amish, et al., A MEMS Electro spray Nozzle for Mass Spectroscopy, 1997, pp. 927-930.	
		Dole, Malcom, et al., Molecular Beams of Macroions, 1968, pp. 2240-2249.	
		Harrison, D. Jed, et al., Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip, 1993, pp. 895-897.	
		He, Bing, et al., Fabrication of Nanocolumns for Liquid Chromatography, 1998, pp. 3790-3797.	
		Jacobson, Stephen C., et al., High-Speed Separations on a Microchip, 1994, pp/ 1114-1118.	
		Jacobson, Stephen C., et al., Open Channel Electrochromatography on a Microchip, 1994, pp. 2369-2373.	
		Ramsey, R.S., et al., Generating Electro spray from Microchip Devices Using Electroosmotic Pumping, 1997, pp. 1174-1178.	
		Smith, David P., The Electrohydrodynamic Atomization of Liquids, 1986, pp. 527-535.	
		Wang, Xuan-Oi, et al., Polymer-Based Electro spray Chips for Mass Spectrometry, 1999, pp. 523-528.	
		Wilm, Matthias et al., Analytical Properties of the Nanoelectrospray Ion Source, 1996, pp. 1-8.	
AWO		Xue, Gifeng, et al., Multichannel Microchip Electro spray Mass Spectrometry, 1997, pp. 426-430.	

Examiner Signature	<i>Allan Olsen</i>	Date Considered	3-10-05
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				Application Number	10/692,457
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				First Named Inventor	James E. Moon et al.
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				Examiner Name	Olsen, Allan W.
				Attorney Docket Number	1153-010Div5Con
Sheet	2	of	2		

[illegible]

Examiner Signature	<i>Allan Olos</i>	Date Considered	3-10-05
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